

WHAT IS CLAIMED IS:

sub A' 1. A telecommunications fiber optic infrastructure, comprising:

a fiber center distributing frame which forms a cable interface from at least one remote equipment to at least one central office equipment, said fiber center distributing frame further comprising:

a fiber center distributing frame module having an outside plant portion, an inside plant portion, and an equipment cable port, said at least one remote equipment connecting to said outside plant portion and said at least one central office equipment connecting to said outside plant portion through said equipment cable port, and said outside plant portion being proximately located to said inside plant portion;

said inside plant portion of said fiber center distributing frame module further comprising a plurality of inside mounting positions wherein each one of said plurality of inside mounting positions is in a designated state selected from a group of operating states consisting of: equipped, unequipped and spare; and

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wherein said connection from said outside plant portion to said inside plant portion is made to any one of said plurality of inside mounting positions which is in said equipped operating state.

2. The telecommunications fiber optic infrastructure of claim 1, wherein said at least one central office equipment is coupled, using interconnect, to said outside plant portion.

3. The telecommunications fiber optic infrastructure of claim 2, further comprising:

a plurality of standard equipment bays, wherein said inside mounting positions are included within said plurality of standard equipment bays.

4. The telecommunications fiber optic infrastructure of claim 3, wherein said plurality of standard equipment bays are aligned in parallel rows substantially perpendicular to said fiber center distributing frame.

5. The telecommunications fiber optic infrastructure of claim 4, wherein two of said parallel rows of standard equipment bays are proximately located to one fiber distributing frame.

6. The telecommunications fiber optic infrastructure of claim 4, wherein two of said parallel rows of standard equipment bays are proximately located to two fiber distributing frames.

7. The telecommunications fiber optic infrastructure of claim 5, further comprising:

a fiber cable pathway connecting said two parallel rows of standard equipment bays to said one fiber distributing frame.

8. The telecommunications fiber optic infrastructure of claim 6, further comprising:

a fiber cable pathway connecting said two parallel rows of standard equipment bays to said two fiber distributing frames.

9. The telecommunications fiber optic infrastructure of claim 3, further comprising:

a standard length connector jumper connecting said at least one central office equipment to an equipment bay connector, said equipment bay connector being proximately located to an equipment bay corresponding to an inside mounting position on which said at least one central office equipment is located; and

an equipment cable coupled, using an interconnect, between said equipment bay connector and said outside plant portion.

10. The telecommunications fiber optic infrastructure of claim 9, wherein said equipment cable is deployed along a fiber cable pathway.

11. The telecommunications fiber optic infrastructure of claim 10, wherein said equipment cable comprises:

a standard length first section having a length to reach a farthest connector on said outside plant portion;

a second section having a length which spans a distance from said fiber center distributing frame to an equipment bay benchmark; and

a third standard length section having a length which spans from said equipment bay benchmark to said equipment bay connector.

12. The telecommunications fiber optic infrastructure of claim 11, wherein said equipment cable includes at least one reference mark to facilitate deploying said equipment cable along said fiber cable pathway.

13. The telecommunications fiber optic infrastructure of claim 11, wherein said standard length first section further comprises a plurality of spliced standard length fiber jumpers.

14. The telecommunications fiber optic infrastructure of claim 1, wherein a ratio of outside plant portion termination connections to inside plant portion termination connections is less than 1 to 1.

15. A method for deploying a telecommunications fiber optic infrastructure comprising the steps of:

deploying a fiber center distributing frame which forms a cable interface from at least one remote equipment to at least one central office equipment, the fiber center distributing frame comprising:

a fiber center distributing frame module having an outside plant portion, an inside plant portion, and an equipment cable port, wherein the inside plant portion further comprises a plurality of inside mounting positions and the outside plant portion is proximately located to the inside plant portion; the inside plant portion of the fiber center distributing frame module further comprising a plurality of inside mounting positions wherein each one of the plurality of inside mounting positions is in a designated state selected

from a group of operating states consisting of:  
equipped, unequipped and spare;

connecting the at least one remote equipment to the  
outside plant portion;

connecting, through the equipment cable port, the  
outside plant portion to any one of the plurality of  
inside mounting positions which is in the equipped  
operating state; and

grooming, on the outside plant portion, the connection  
to the at least one remote equipment with the  
connection to the one of the plurality of inside  
mounting positions which is in the equipped operating  
state.

16. The method of claim 15, wherein the step of connecting the  
outside plant portion further comprises the step of:

interconnecting the at least one equipped inside mounting  
position to the outside plant portion.

17. The method of claim 16, further comprising the step of:

aligning a plurality of standard equipment bays into parallel rows substantially perpendicular to the fiber center distributing frame, wherein the inside mounting positions are included within the plurality of standard equipment bays.

18. The method of claim 17, further comprising the step of:

connecting the two parallel rows of standard equipment bays to one fiber center distributing frame.

19. The method of claim 17, further comprising the step of:

connecting the two parallel rows of standard equipment bays to two fiber center distributing frames.

20. The method of claim 18, further comprising the step of:

connecting the two parallel rows of standard equipment bays to one fiber center distributing frame using a fiber cable pathway.

21. The method of claim 19, further comprising the step of:

connecting the two parallel rows of standard equipment bays to two fiber center distributing frames using a fiber cable pathway.

22. The method of claim 17, further comprising the step of:

deploying a standard length connector jumper to facilitate connecting the at least one central office equipment to an equipment bay connector, the equipment bay connector being proximately located to an equipment bay corresponding to an inside mounting position on which the at least one central office equipment is located; and

coupling an equipment cable, using interconnect, between the equipment bay connector and the outside plant portion.

23. The method of claim 22, further comprising the step of:

deploying the equipment cable along a fiber cable pathway.

24. The method of claim 23, further comprising the steps of:

deploying a standard length first section of the equipment cable, the standard length first section having a length to reach a farthest connector on the outside plant portion;

deploying a second section of the equipment cable, the second section having a length which spans a distance from the fiber center distributing frame to an equipment bay benchmark; and

deploying a standard length third section, the standard length third section having a length which spans from the equipment bay benchmark to the equipment bay connector.

25. The method of claim 24, further comprising the step of:

marking the equipment cable with at least one reference mark to facilitate deploying the equipment cable along the fiber cable pathway.

26. The method of claim 24, further comprising the step of splicing a plurality of standard length jumpers to the second section to create the first section.

27. The method of claim 15, further comprising the step of:

deploying a ratio of outside plant portion termination connections to inside plant portion termination connections, wherein the ratio is less than 1 to 1.

~~28.~~ A method for deploying and managing a telecommunications fiber optic infrastructure comprising the steps of:

receiving demand information;

determining standard components and a fiber infrastructure using the received demand information;

assigning the determined standard components and the determined fiber infrastructure to at least one specific location; and

establishing a data base, the data base recording a location of both the determined standard components and said determined

fiber infrastructure relative to the assigned at least one specific location.

29. The method of claim 28, further comprising the steps of:  
receiving management requirements;  
establishing a work order using the received management requirements; and  
including said work order in the data base.

30. The method of claim 29, further comprising the steps of:  
generating an equipment order using the data base; and  
deploying the telecommunications fiber optic infrastructure using the equipment order.

~~31.~~ A method for prefabricating a cable, comprising the steps of:  
determining a length of a second section;  
assembling the second section using said determined length;  
splicing a standard length first section to one end of the second section; and  
splicing a standard length third section to another end of the second section.

32. The method of claim 31, wherein the determined length is sufficient for the second section to span from a fiber center distribution frame to a benchmark above a standard equipment bay in an equipment lineup;

wherein the standard length first section comprises a plurality of fiber jumpers sufficient in length to extend the second section to a farthest connectors on a fiber center distribution frame; and

wherein the standard length third section comprises a plurality of fiber connector sufficient in length to span from the benchmark to an equipment bay connector.